

# Peracetic acid sensor PES7



- Disinfection process in food industry
- Ranges: 0 ... 0.2 /... 0.5 /... 1 /... 2 g/l
- Unnecessary zero adjustment
- Only 1 point requested for calibration

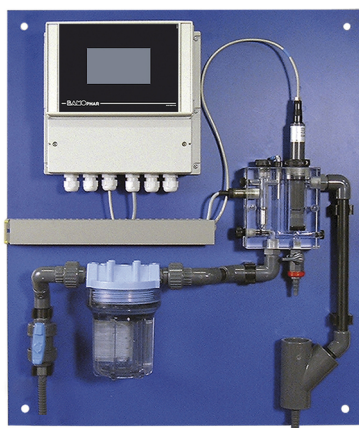
## TECHNICAL FEATURES

Measured parameter	Peracetic acid
Applications	Disinfection in food industry (e.g.: Bottles cleaning, CIP); Industrial water, sea water Surfactants are not tolerated
Measuring system	Closed cell with 2 electrodes and electrolyte
Supply voltage	12 ... 30 V DC (Load from 500 to 900 $\Omega$ )
Output signal	4-20 mA, screw connectors x2 (1mm <sup>2</sup> ) No galvanic insulation
Operating temperature	1 to 45 °C Automatic temperature compensation
Operating pressure	1 bar max. (No vibrations; no pulsating flow)
Flow-rate	About 15 to 30 l/h
pH operating range	Between pH 1 and pH 6
Calibration	Only 1 point with BAMOPHAR 194
Interferences	O <sub>3</sub> is measured, equivalent by a factor 2.5 ClO <sub>2</sub> is measured, equivalent by a factor 1 H <sub>2</sub> O <sub>2</sub> is measured, equivalent by a factor 0.005 Sulfuric and nitric acids do not interfere if their concentrations are below 1%
Materials	PVC-U and AISI 316 Ti (1.4571)
Dimensions	O.D. 25 mm, length 220 mm (4-20 mA)

**CE Conformity** The instrument meets the legal requirements of the current European Directives.

## CODE NUMBERS AND REFERENCES

Code	Reference	Measuring range	Resolution
193 184	PES7.MA.CC	0...200 ppm	0.1 ppm
193 185	PES7.MA.D	0...500 ppm	1 ppm
193 186	PES7.MA.M	0...1000 ppm	
193 187	PES7.MA.MM	0...2000 ppm	
Spare parts			
193 904	M7N	Diaphragm for PES7 sensor	
193 960	EPS 7/W	Electrolyte for PES7 sensor (100 ml)	



Complete measuring system  
(assembly sold separately)

*Other versions on request*

### Precautions

Flow rate must be constant and a measuring cell with flow controller is necessary (data-sheet 193-95).

In order to install easily a complete system, we propose assemblies designed for specific applications (on request)